

[54] **COMPOSITIONS HAVING
ANTITHROMBOGENIC PROPERTIES AND
BLOOD CONTACT MEDICAL DEVICES
USING THE SAME**

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523/113

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623/1, 11

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[57] **ABSTRACT**

This invention is a composition having anti-thrombogenic properties, comprising as essential constituent components a polyurethane or polyurethane urea containing polytetramethylene oxide in its main chain, a water soluble and/or water swellable macromolecules, and a silicon-containing compound capable of forming polysiloxane while crosslinking; and a blood contact medical device having such a composition on blood contact surfaces. According to this invention, it is possible to provide on blood contact surfaces a hydrophilic polymer which is excellent in dynamic properties and very rich in the antithrombogenic properties, and the invention can be greatly contributory in the field of blood contact medical devices.

14 Claims, No Drawings